

MODELS: Rearwin 7000 and Deluxe 7000, 2 PCLM

T.C. NUMBER: 574

Engine	LeBlond 70 5DE or 5E
Placard limits	Maximum, except take-off -- in. Hg., 1950 rpm (70 hp) Take-off (one minute, -- in. Hg., 1950 rpm (70 hp)
Placard speeds	Level flight or climb - 105 mph True Ind. Glide or dive - 142 mph True Ind.
Fuel capacity	24 gallons (two tanks - one in each wing at 12 gallons) (+23)
Oil capacity	2 gallons (-26)
No. passengers	1 (front +8, or rear +40)
Baggage	20 lbs. (+73) (See NOTES 1, 4 and 7)
Standard weight	1460 lbs. (See NOTE 2)
C.G. limits	(+7.85) and (+18.4)
Spec. basis	Type Certificate No. 574 (Aero. Bulletin 7A requirements)
Serial Nos.	414 and up eligible (See NOTE A and NOTE 1)

EQUIPMENT: (Datum is wing leading edge) (See NOTE 6) (* Means net increase)

101. Exhaust collector ring	7 lbs.	(-40)
102. 7.00-4 wheels (Warner) and 4-ply tires	21 lbs.	(-6)
103. Tail skid	5 lbs.	(+186)
104. Propeller - wood	16 lbs.	(-53)

Class II:

200. Miscellaneous items as noted in approved weight and balance report.		
201. Engine ring cowl	10 lbs.	(-46)
202. Battery and box		(-24)
(a) Reading 6ARL-9 or 6-ARL-11	33 lbs.	
(b) Exide 3TS-13-1 or 6-AC-7-1	23 lbs.	
(c) Reading 3-BRL-9	10 lbs.	
(d) Exide 6-TS-7-1	31 lbs.	
(e) Exide 6-TS-13-1	41 lbs.	
(f) Exide 3-AC-7-1	13 lbs.	
(g) 12 volt - Willard SYR-7-6	20 lbs.	
203. Carburetor intake air heater	2 lbs.	(-46)
204. 18x8-3 wheels (Goodyear with 4-ply tires	8 lbs.*	(-6)
205. 18 in. streamline wheels (Bendix)		
with brakes	13 lbs.*	(-6)
206. 18x8-3 wheels (Goodyear) with brakes	20 lbs.*	(-6)
207. Tail wheel		
(a) Castor installation on tail skid spring No. 315	2 lbs.*	(+192)
(b) Aero Activities steerable on tail skid spring No. 315	3 lbs.*	(+192)
(c) Aircraft Assoc. steerable on tail skid spring No. 315	3 lbs.*	(+192)
(d) Bungee type assembly with 6x2.00		
(1) Pneumatic tire	7 lbs.	(+171)
(2) Solid rubber tire	8 lbs.	(+171)
208. Baggage compartments (See NOTES 1, 4 and 7)		
(a) 30 lb. auxiliary (aluminum) (Standard model)	4 lbs.	(+63)
(b) 30 lb. auxiliary (wooden) (DeLuxe model)	4 lbs.	(+52)
209. Two seat back cushions	4 lbs.	(+18), (+50)
210. Additional instruments		
(a) Front	7 lbs.	(-9)
(b) Rear	10 lbs.	(+25)
211. Starter (Eclipse Y-150) (16 lbs.) including wiring	22 lbs.	(-26)
212. Cabin heater	3 lbs.	(-25)

213.	Protective covering (Silver foil on longerons, exposed metal parts and control system cadmium plated and extra dope, priming and finish)	5 lbs.	(+100)
214.	Landing lights (Grimes ST-250)	8 lbs.	(+12)
215.	Generator		
	(a) Engine-driven (Hodges H-12-V)	9 lbs.	(-26)
	(b) Wind-driven (Hodges H-12-V)	9 lbs.	(-4)
	(c) 12 volt, wind-driven (Lear 1030A and voltage regulator)	11 lbs.	(-6)
216.	Air cleaner - Air Maze No. 562	2 lbs.	(-46)
217.	Lagged oil tank and lines	2 lbs.	(-28)
218.	Parking brake (Drawing 712-010 or 712-011)	1 lb.	(-13)
219.	Rear seat brakes (Drawing 712-016)	1 lb.	(+10)
220.	6.00-6 wheels (Shinn) with hydraulic brakes and 4-ply tires	15 lbs.*	(-6)
221.	Emergency exit	7 lbs.	(+22)
222.	Skis	Use actual weight change	
	(a) Richards 1A		
	(b) Curtiss-Wright Moth		
	(c) Federal SA-3		
	(d) Federal SC-2		
223.	Rear instrument panel and truss	5 lbs.	(+25)
224.	Antenna		
	(a) Fixed	2 lbs.	(+80)
	(b) Trailing	3 lbs.	(+80)
225.	Blind flying curtain	1 lb.	(+30)
226.	Radio, variable. Weight and location of items should be shown in weight and balance report. The structure has been substantiated for equipment as follows:		
	(a) 15 lbs. in roof		(+34)
	(b) 8 lbs. under front seat		(+2)
	(c) 6 lbs. in baggage compartment		(+74)
	(See NOTE 7)		(+24)
	(d) 6 lbs.		

Class III:
None

NOTE A. Each aircraft manufactured after 1/7/43, must, prior to original certification, satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork may be varnished.
- (b) A final inspection of the completed surface.
- (c) Check of flight characteristics.

NOTE 1. Baggage capacity may be increased to a maximum of 50 lbs. when auxiliary compartment (item 208a) is installed and properly placarded. It has been reported that an additional (unapproved) baggage compartment has been installed in certain airplanes of Model 7000 consisting of a canvas sack approximately 9x16x10 in. hung over the back of the rear seat. All such compartments must be removed.

NOTE 2. Serial Nos. 401 to 413 inclusive, eligible at 1365 lbs. standard weight. (Item 101 is optional Class II equipment for these Serial Nos.)

NOTE 3. Eligible also with modified tail surface bracing including brace wire fittings bolted to the fin and stabilizer spars replacing the welded lug. Rearwin Drawing 418 together with bushings, lugs and bolts forwarded to all owners.

NOTE 4. Eligible as DeLuxe model with ball bearings in control system, hinged rear seat and baggage box installation (Item 208b) under seat replacing aluminum compartment in cabin.

NOTE 5. Eligible for export as follows, subject to inspection for equipment specified in Chapter XII of Inspection Handbook:

- (a) Canada
 - Landplane
 - Skiplane - not eligible. However, structure complies with Canadian requirements for ski installation with maximum ski height of 13-5/8 in.
- (b) All other countries except Australia and New Zealand.

NOTE 6. Weight and balance report including list of equipment included in certificated weight empty, and loading instructions when necessary, must be submitted with original inspector's report and each subsequent report showing change in such equipment.

NOTE 7. When radio equipment, Item 226(c), is installed, reduce baggage capacity accordingly.